

In []: ▶

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1  #####
2  #
3  #           Assignment : AssignmentFor BigData - in Python
4  #
5  #####
6  #Task 2
7  # Given a List of strings - List[String] ("alpha", "gamma", "omega", "zeta", "beta")
8
9  # - find count of all strings with length 4
10 #- convert the list of string to a list of integers, where each string is mapped to its corresponding length
11 # - find count of all strings which contain alphabet 'm'
12 # - find the count of all strings which start with the alphabet 'a'
13
14 list1 = ["alpha", "gamma", "omega", "zeta", "beta"]
15 cntlen = 0
16 cntstr_m = 0
17 cntstrbeg_a = 0
18 list2 = []
19
20 for lst in list1:
21     strlen = len(lst)
22     list2.append(strlen)
23     if (strlen == 4):
24         cntlen +=1
25     if (lst.find('m') != -1):
26         cntstr_m += 1
27     if (lst.find('a') == 0):
28         cntstrbeg_a +=1
29
30
31 print('-'*80, "\n1. The Count of Strings from the given List whose Length is 4 is : %d \n" % cntlen, '-'*80)
32
33 print('-'*80, "\n2. The List of Strings replaced with Lengths is : %s \n" % list2, '-'*80)
34
35 print('-'*80, "\n3. The Count of Strings with character m is : %d \n" % cntstr_m, '-'*80)
36
37 print('-'*80, "\n4. The Count of Strings starting with character a is : %d \n" % cntstrbeg_a, '-'*80)
38

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In []: ▶

```
1 #Task3
2 # Create an application to find GCD of two numbers.
3
4 # taking two numbers from User and Giving the GCD of the number
5 import math
6
7
8 print(" Please enter two numbers :\n", '-'*80)
9 num1 = int(input("Enter Number 1 - "))
10 num2 = int(input("Enter Number 2 - "))
11 print("The GCD of these Numbers is : %d" % math.gcd(num1,num2))
```